

**Abstract of the Disclosure**

A system for and method of automatically migrating data among multiple legacy applications and accessible storage formats. The various embodiments described employ a trainable user interface translator application to monitor, reinterpret, and reformat data streams. The sequences of steps necessary to migrate data are recorded in a shaper rule set during a training session. Automatic migration of data is accomplished by operating the trainable user interface translator application in normal run mode in accordance with a shaper rule set previously created during the training session.